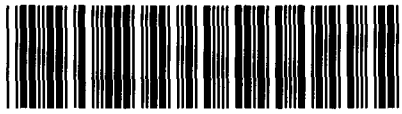

Control Number: 50595

Item Number: 81

Addendum StartPage: 0

Public Utility Commission of Texas

Employee Training Report
Required by 16 Texas Admin. Code § 25.97(d)

PROJECT NO. 50595

AFFECTED ENTITY: Concho Valley Electric Cooperative

General Information

Pursuant to 16 Texas Admin. Code § 25.97(d)(2), not later than the 30th day after the date an affected entity finalizes a material change to a document or training program, the affected entity must submit an updated report. The first report must be submitted not later than May 1, 2020.

Instructions

Answer all questions, fill-in all blanks, and have the report notarized in the Affidavit.

Affidavit

A representative of the affected entity must swear to and affirm the truthfulness, correctness, and completeness of the information provided by attaching a signed and notarized copy of the Affidavit provided with this form.

Filing Instructions

Submit four copies (an original and three copies) of the completed form and signed and notarized Affidavit to:

Central Records Filing Clerk
Public Utility Commission of Texas
1701 N. Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326
Telephone: (512) 936-7180

1. Provide a summary description of hazard recognition training documents you provide your employees related to overhead transmission and distribution facilities.

Training for 2020
Summary of Hazardous Recognition Training for Transmission Facilities - The goal for this training is to educate employees to observe, recognize and report hazardous situations.
Course Outline:

1. Definition of a Hazard
2. Types of Hazards to Report
   a. Non-compliance with NESC
   b. Failed System Components
   c. Failure of Warning Lights, Marker Balls, Etc.
3. Summary of Clearances for Transmission Facilities
4. Recognition of Changes in Conductor Sag for Long Spans
5. Activities near the Lines
   a. Grading
   b. Crane Operation OSHA 1926.1408(a)
   c. Scaffold Clearances OSHA 1926.451(f)
   d. Construction of Adjacent Building or Signs
6. Right-of-way Issues
   a. Danger Trees
   b. Dead Trees
   c. Erosion in the Right-of-Way
7. Prioritizing Reported Issues
8. Recording Keeping Requirements

Course Objectives:

1. Define hazards associated with transmission lines.
2. Identify appropriate distance for cranes from power lines.
3. Identify required clearances for transmission lines related to roads and buildings.
4. Define a danger tree.

Summary of Hazardous Recognition for Distribution Facilities - The training is an overview of HB 4150 with an explanation of requirements for the utilities operating in Texas. It includes hazard recognition and an explanation of clearance guideline requirements preparing employees to proactively recognize and report hazards and clearance related issues on their utilities' system.
Course Outline and Objectives:

1. HB 4150 Review
2. Hazard Recognition

2. Provide a summary description of training programs you provide your employees related to the National Electrical Safety Code for construction of electric transmission and distribution lines.

Training for 2020
Summary of NESC Clearances for Transmission Lines - The goal of this training is to train employees related to the National Electric Safety Code (NESC) for construction of electric transmission and distribution lines. This webinar provides an overview of the requirements for transmission facilities which are defined as facilities operating above 60 kV. The webinar will not include discussions regarding distribution lines. This training will focus on transmission clearances, strength issues, and access of overhead transmission lines.
Course Outline:

1. Maximum Operating Temperature and Sag Requirements for Transmission Conductors
2. Additional Ground Clearance Requirements for Transmission Lines
   a. Maximum Operating Voltage
   b. Elevation above Sea Level
   c. Electrostatic Effects to Vehicles below the Line
3. Additional Clearance from Buildings and Signs
   a. Deflection of Insulators
   b. Deflection of Structures
   c. Clearances Based on Maximum Operating Voltage
   d. Limiting Electrostatic Effects to Buildings and Signs below the Line
4. Mid-span Conductor Clearance Requirements
5. Power Lines and Phone Lines Crossing below Transmission Lines
6. Grade of Construction for Voltages over 22kV
   a. Guy Strength Requirements
   b. Under-build Strength Requirements
7. Identification of Climbable Supporting Structures

Objectives:

1. Determine appropriate clearances for transmission lines.
2. Define maximum sag for determining clearances.
3. Identify strength requirements for transmission facilities.

Summary of NESC Clearances for Distribution Facilities - The training includes an overview of HB 4150 with an explanation of requirements for the utilities operating in Texas. It includes compliance with the National Electric Safety Code (NESC) such as clearance requirements for lands, roadways, and waterways. The employee training will define to whom, when and how the bill applies. As well as explanation of guidelines, requirements, and deadlines for filing reports.
Course Outline and Objectives:

1. HB 4150 Review
2. NESC Clearance Guideline Requirements

Affected Entity: Concho Valley Electric Cooperative **PROJECT NO.** 50595

AFFIDAVIT

I swear or affirm that I have personal knowledge of the facts stated in this report or am relying on people with personal knowledge, that I am competent to testify to them, and that I have the authority to submit this report on behalf of the affected entity. I further swear or affirm that all statements made in this report are true, correct, and complete.

Signature

DUSTIN BROWN
Printed Name

DIRECTOR OF ENGINEERING & OPERATIONS
Job Title

CONCHO VALLEY ELECTRIC COOPERATIVE
Name of Affected Entity

Sworn and subscribed before me this 27 **day of** APRIL, 2020
Month Year

STACY L. WALTER
Notary Public
STATE OF TEXAS
Notary ID # 125094949
My Comm. Exp. October 21, 2020

Stacy L Walter

Notary Public in and For the State of TEXAS.

My commission expires on 10/21/2020.